

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 16641 - L2 Version 1
Chandra X-Ray Center

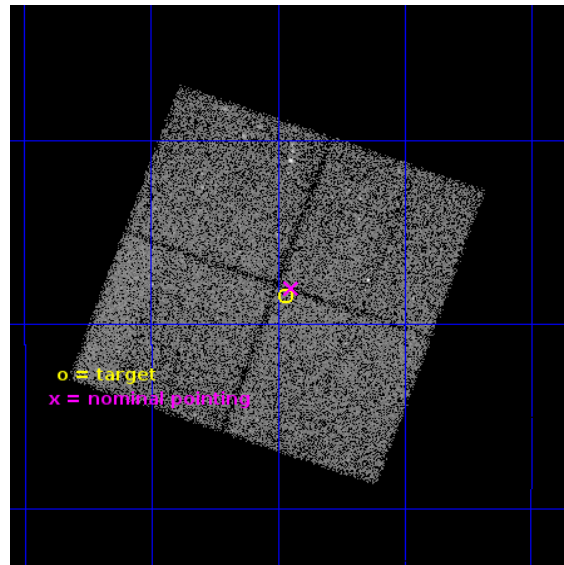
L2 Processing Date : Jul 31 2014

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1 Front

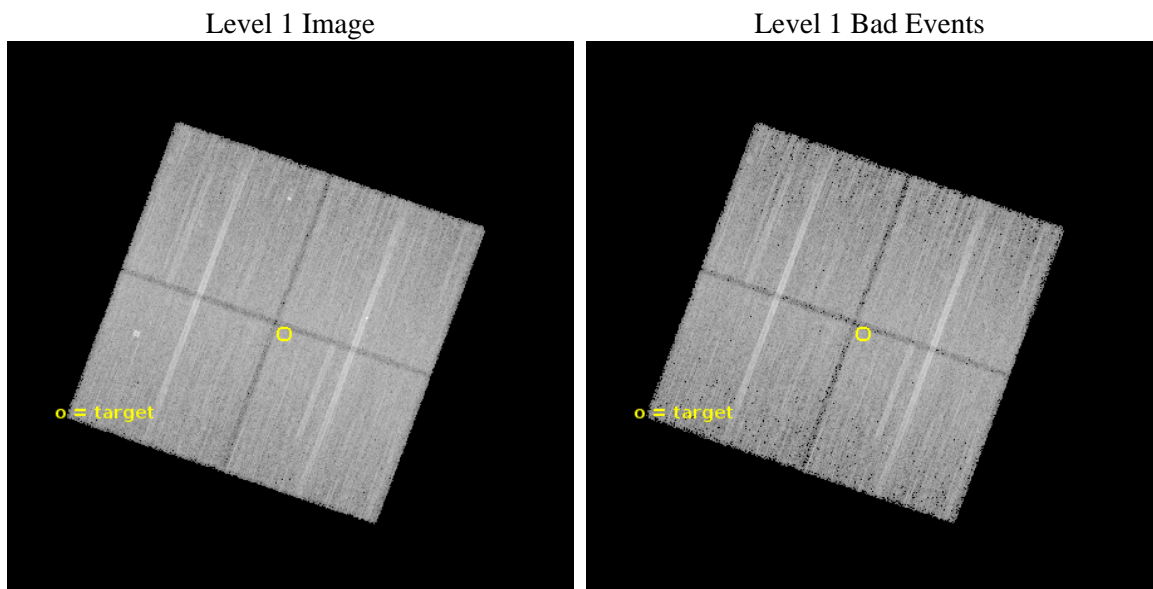
seq_num	901115	Sequence number
obs_id	16641	Observation id
title	The Chandra Deep Field-South: A Peerless Ultradeep Survey for Exploring the Distant X-ray Universe	Proposal title
observer	Prof. W.N. Brandt	Principal investigator
object	Chandra Deep Field-South	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	53.117083	Observer's specified target RA [deg]
dec_targ	-27.807333	Observer's specified target Dec [deg]
ra_nom	53.111513792867	Nominal RA [deg]
dec_nom	-27.800813626731	Nominal Dec [deg]
roll_nom	109.70608500887	Nominal Roll [deg]
revision	1	Processing version of data
ontime	47150.959392309	Sum of GTIs [s]
livetime	46534.897395817	Livetime [s]
ontime0	47154.100362659	Sum of GTIs [s]
ontime1	47154.100362659	Sum of GTIs [s]
ontime2	47150.959402263	Sum of GTIs [s]
ontime3	47150.959392309	Sum of GTIs [s]
l2events	92365	Number of level 2 events



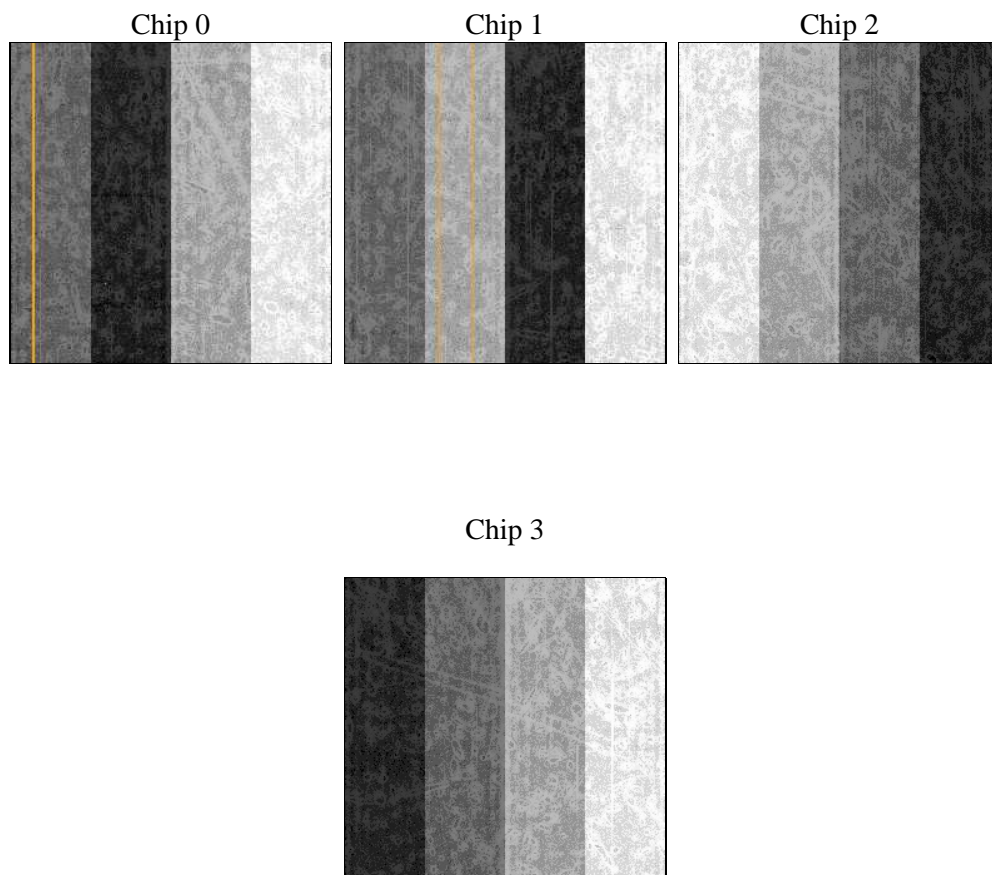
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	47360.479000	[s] Scheduled observation exposure time
ascdsver	10.2.4	Processing system revision	ontime	47150.959392309	Sum of GTIs [s]
caldsver	4.6.2	 	ontime0	47154.100362659	Sum of GTIs [s]
date	2014-07-31T22:22:06	Date and time of file creation	ontime1	47154.100362659	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	47150.959402263	Sum of GTIs [s]
			ontime3	47150.959392309	Sum of GTIs [s]
			l1events	872298	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	210835	211178	230628	219657
rejected events	182831	180369	203562	194153
rejected %	86%	85%	88%	88%

	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	9907	11077	9538	8830
	4%	5%	4%	4%
grade 1 events	95	132	138	155
	0%	0%	0%	0%
grade 2 events	6959	7393	6700	5768
	3%	3%	2%	2%
grade 3 events	2886	2903	2669	2676
	1%	1%	1%	1%
grade 4 events	2584	2889	2792	2648
	1%	1%	1%	1%
grade 5 events	10916	11482	10236	12485
	5%	5%	4%	5%
grade 6 events	5668	6549	5367	5587
	2%	3%	2%	2%
grade 7 events	171820	168753	193188	181508
	81%	79%	83%	82%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-0123	ACIS-0123	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	53.135375	53.11151379286657	Subarray requested	NONE	NONE
[deg] Pointing Dec	-27.818575	-27.80081362673144	Alternating exposures requested	N	N
[deg] Pointing Roll	109.508545	109.7060850088668	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	523154850.184000	523153884.22489			
Observation start date	2014-07-31T00:46:23	2014-07-31T00:31:24			
[s] Observation end time (MET)	523202210.184000	523202404.14008			
Observation end date	2014-07-31T13:55:43	2014-07-31T14:00:04			
Read mode	TIMED	TIMED			

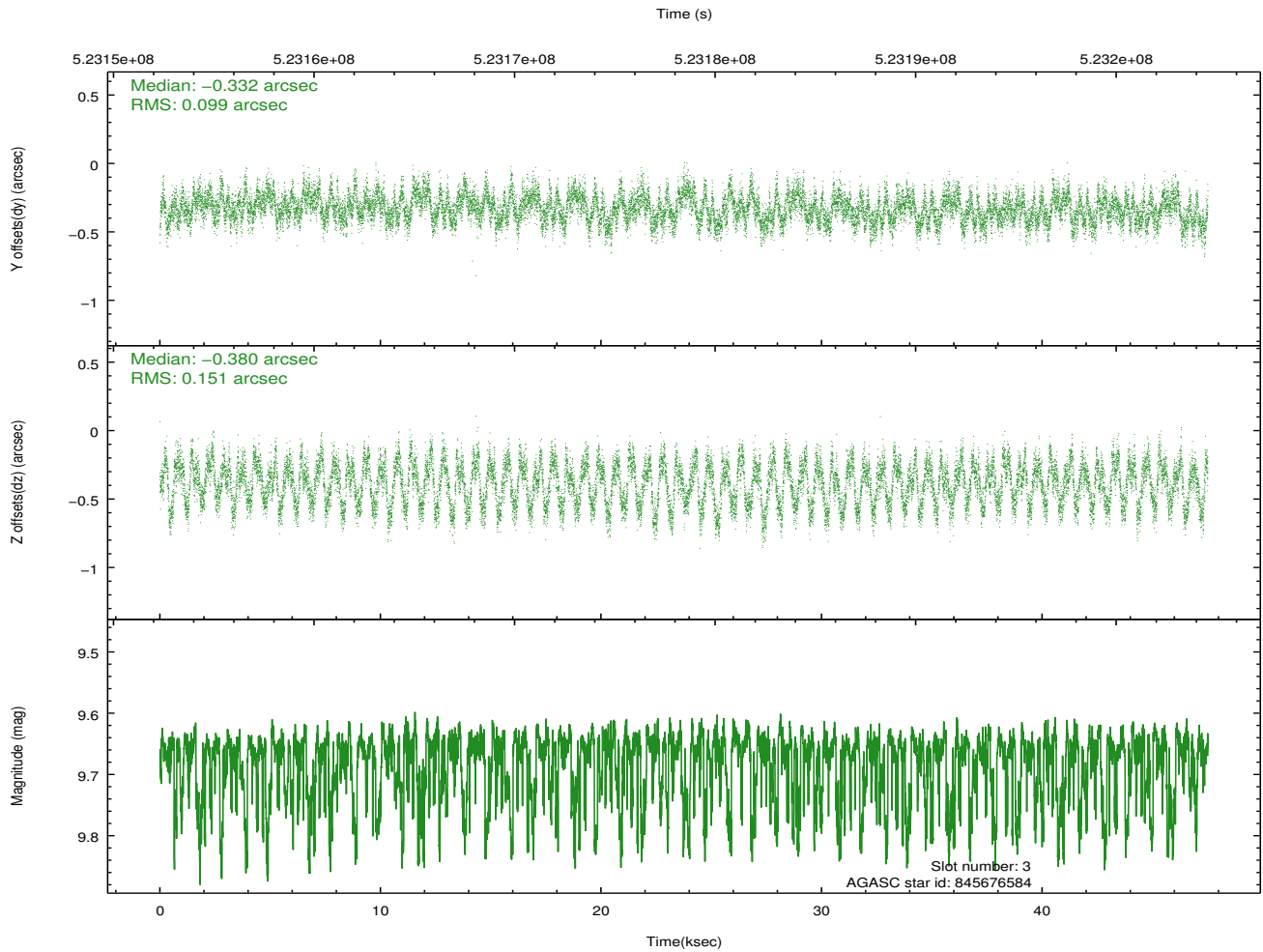
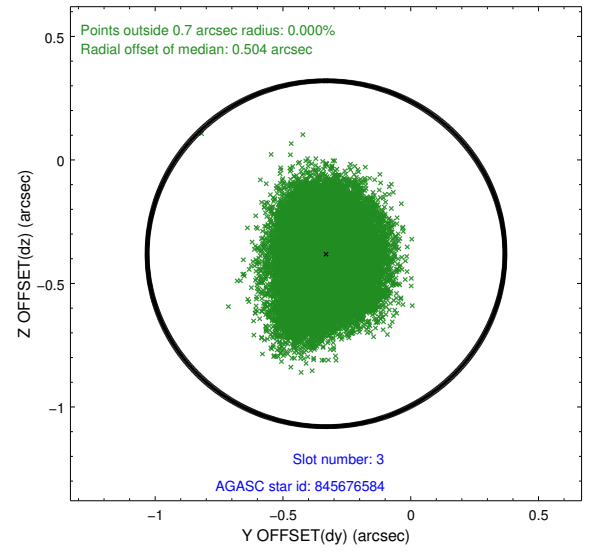
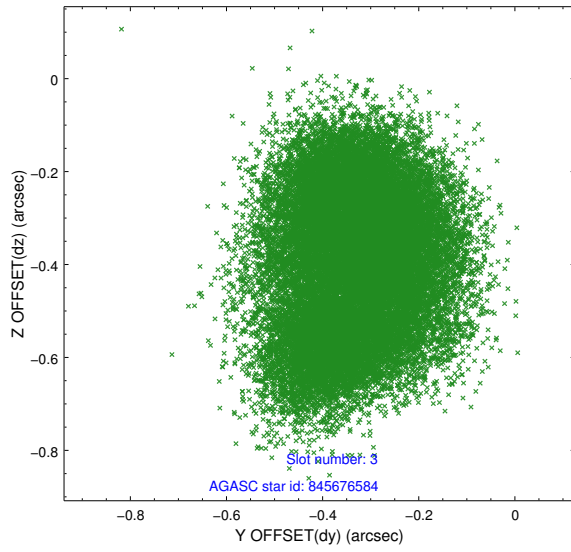
2.3 Aspect

Slot Statistics

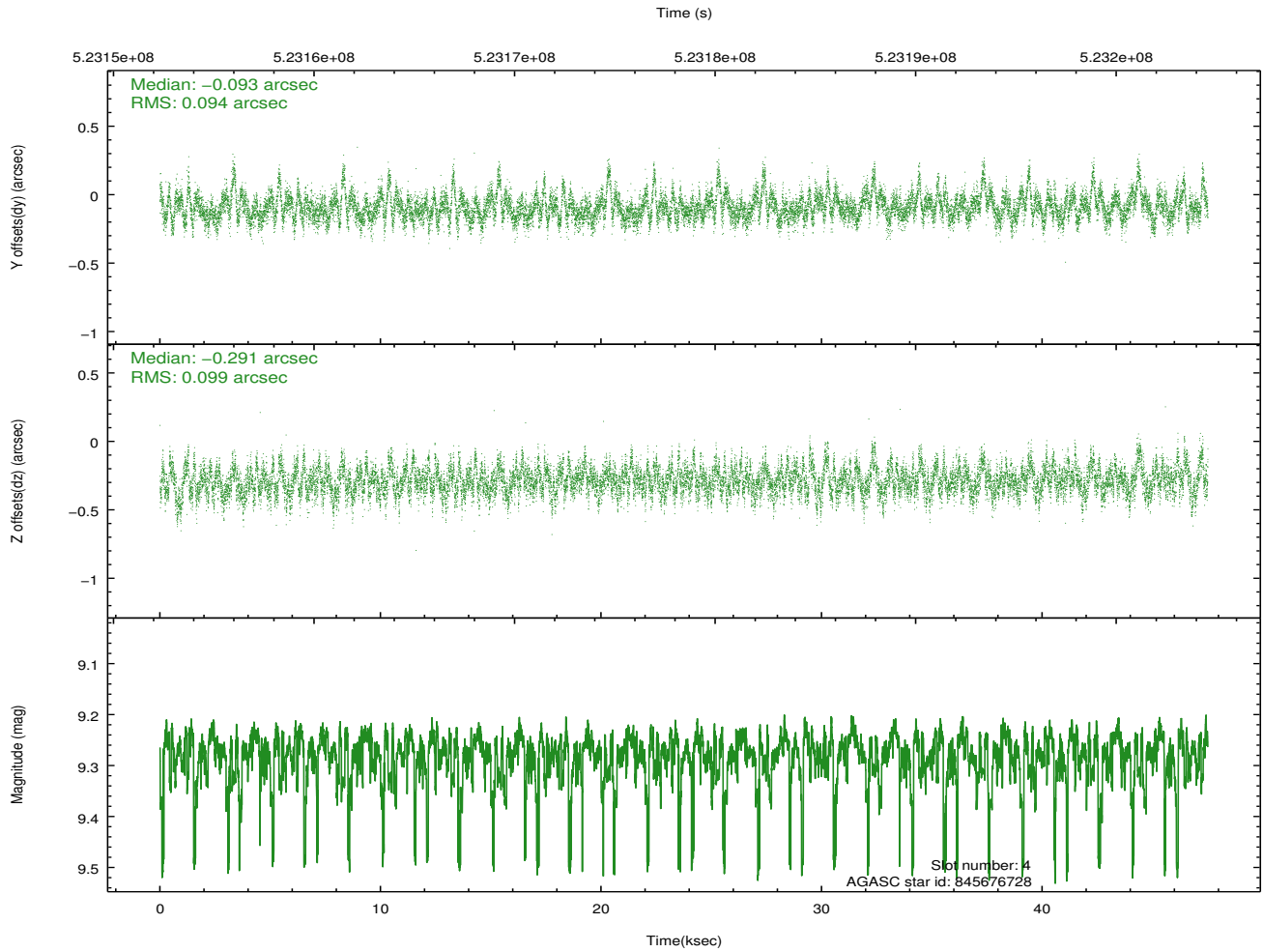
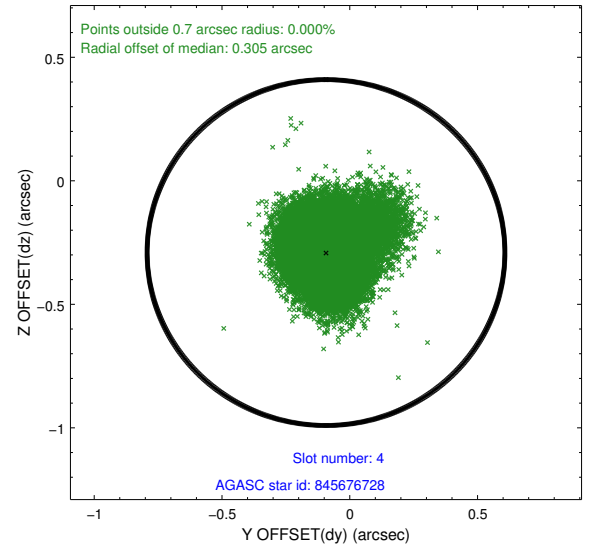
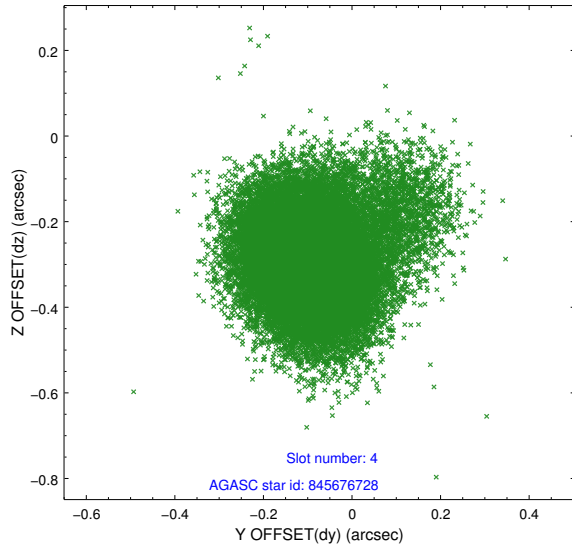
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.11	11589	0.075	-0.041	0.026	0.061	0.000000	0.000000	916.68	-844.50
1	FID	ACIS-I-5	7.09	11590	-0.287	0.054	0.021	0.029	0.000000	0.000000	-1831.84	1053.01
2	FID	ACIS-I-6	7.10	11590	0.124	0.054	0.018	0.034	0.000000	0.000000	382.23	1697.56
3	GUIDE	845676584	9.67	23129	-0.332	-0.380	0.198	0.296	52.264247	-27.542890	1854.54	2293.03
4	GUIDE	845676728	9.28	23158	-0.093	-0.291	0.140	0.243	52.877179	-27.664318	797.75	591.03
5	GUIDE	845676936	9.47	23155	-0.339	-0.142	0.189	0.296	52.843773	-27.880153	99.73	948.65
6	GUIDE	845807880	8.80	23171	0.210	0.200	0.131	0.219	53.382027	-27.886093	-491.39	-657.88
7	GUIDE	845813816	10.07	23132	0.566	0.640	0.336	0.602	54.061891	-28.212182	-2327.05	-2293.21

2.4 Star Slots

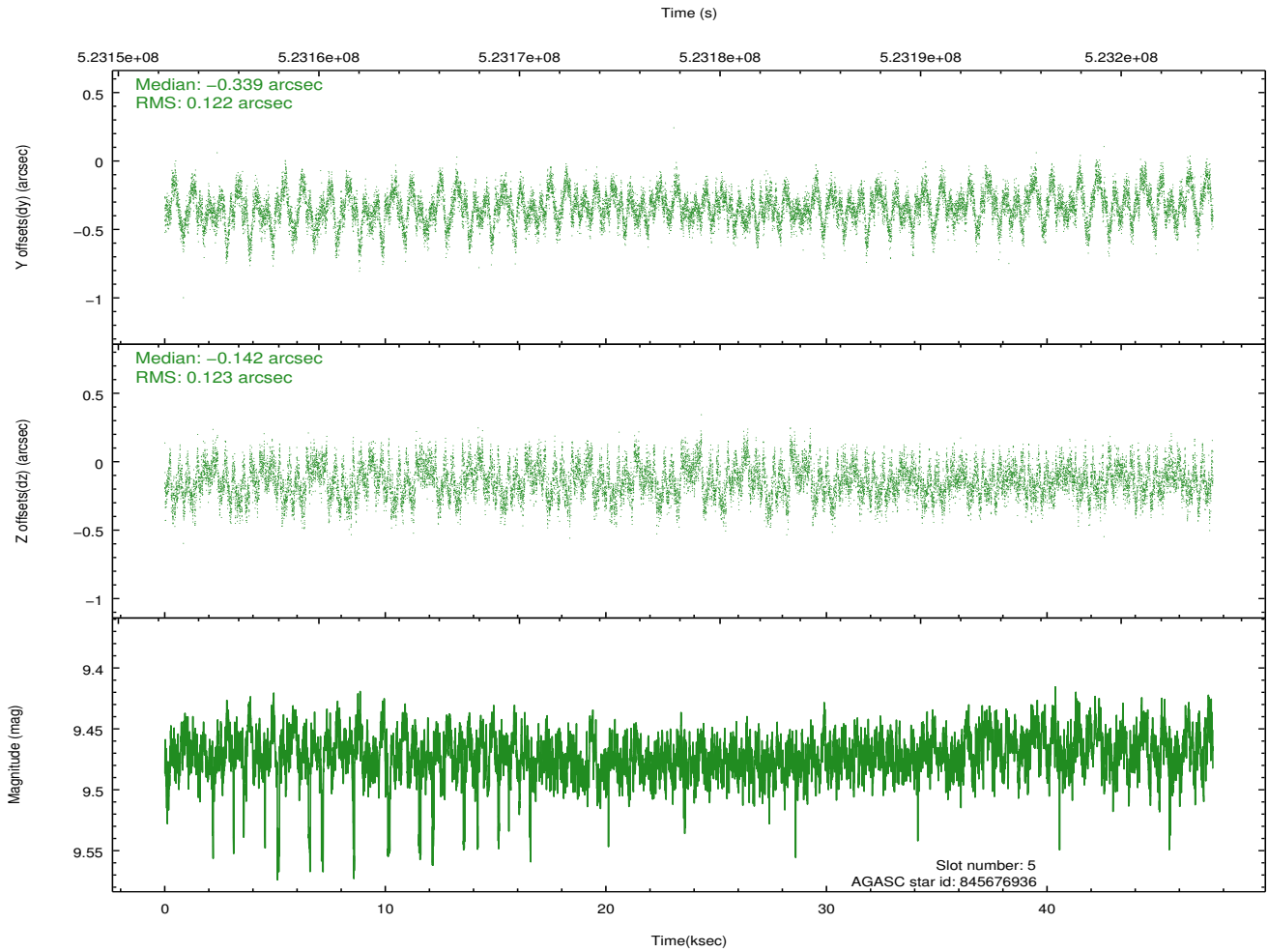
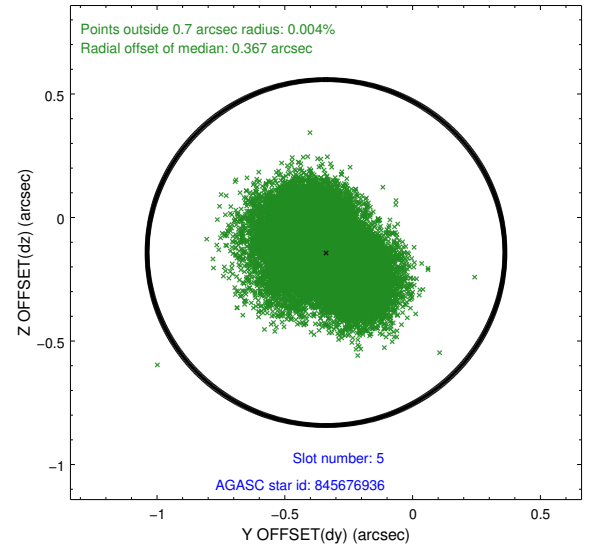
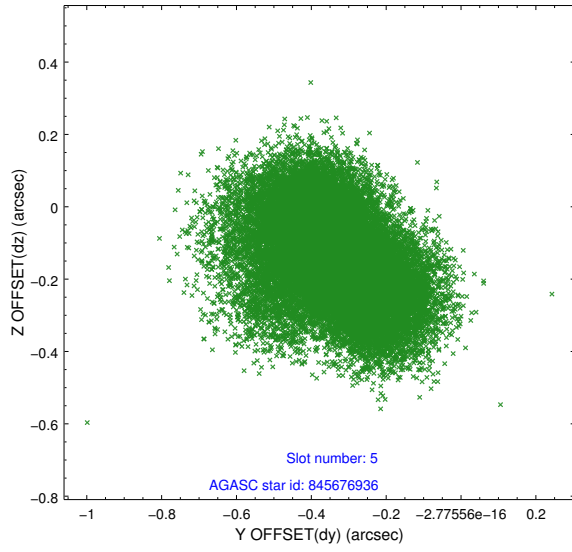
2.4.1 Slot 3



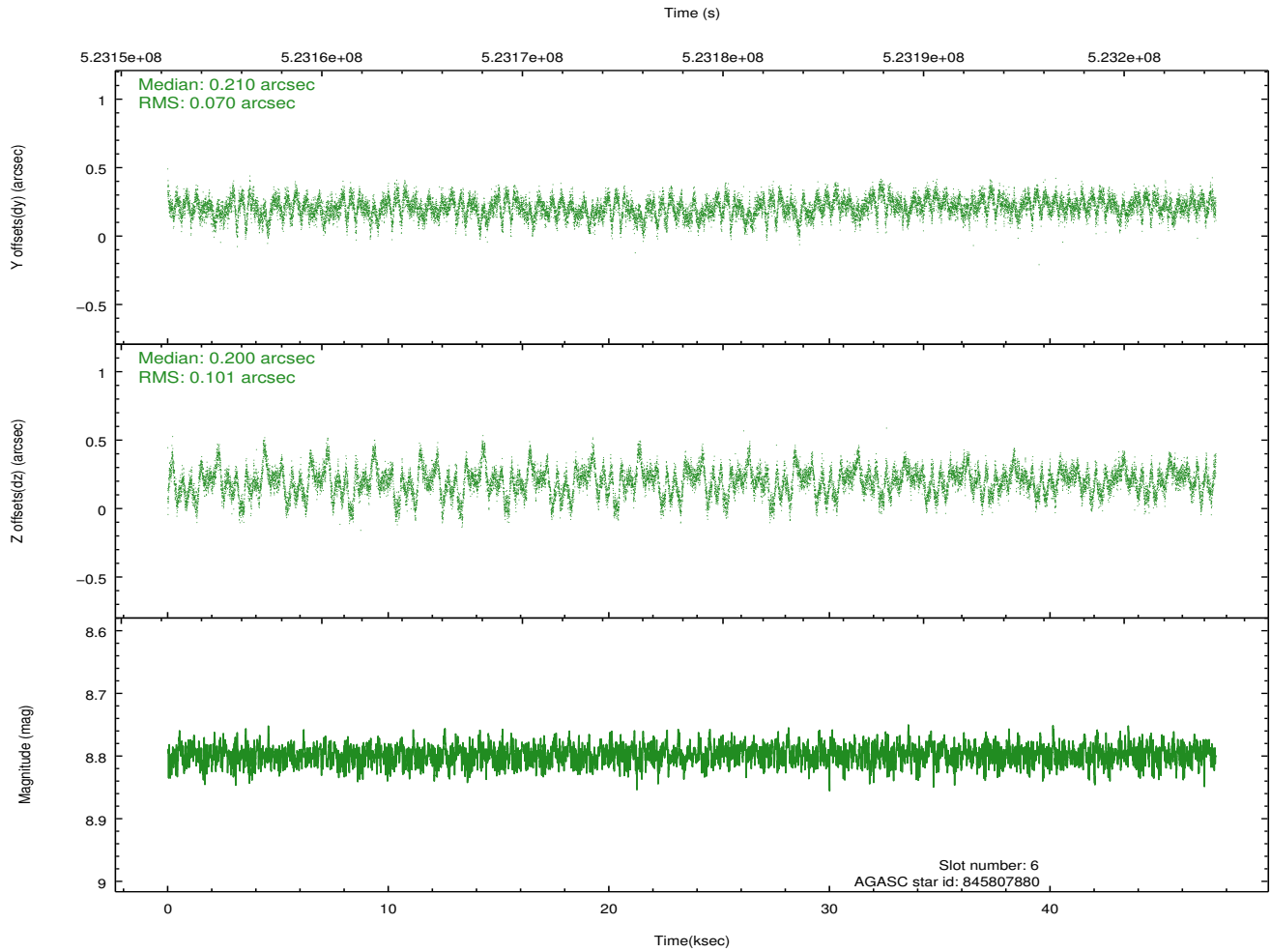
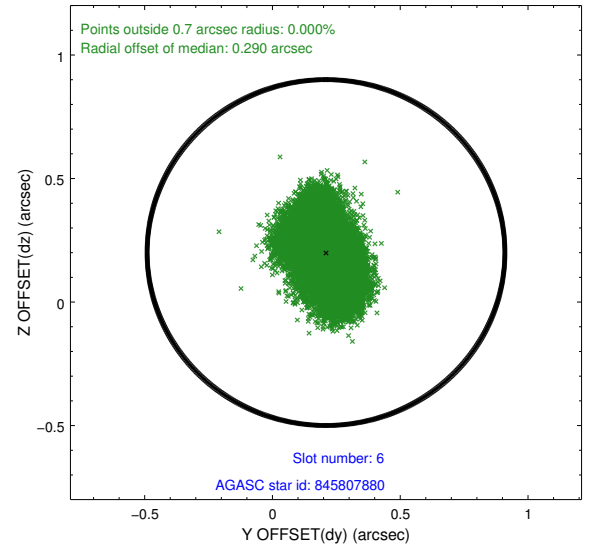
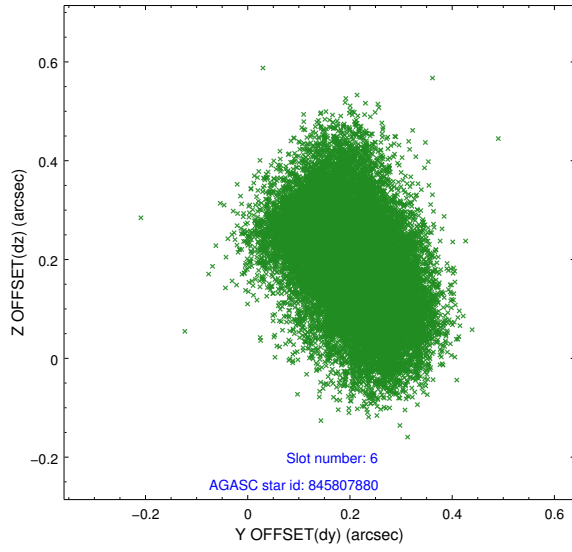
2.4.2 Slot 4



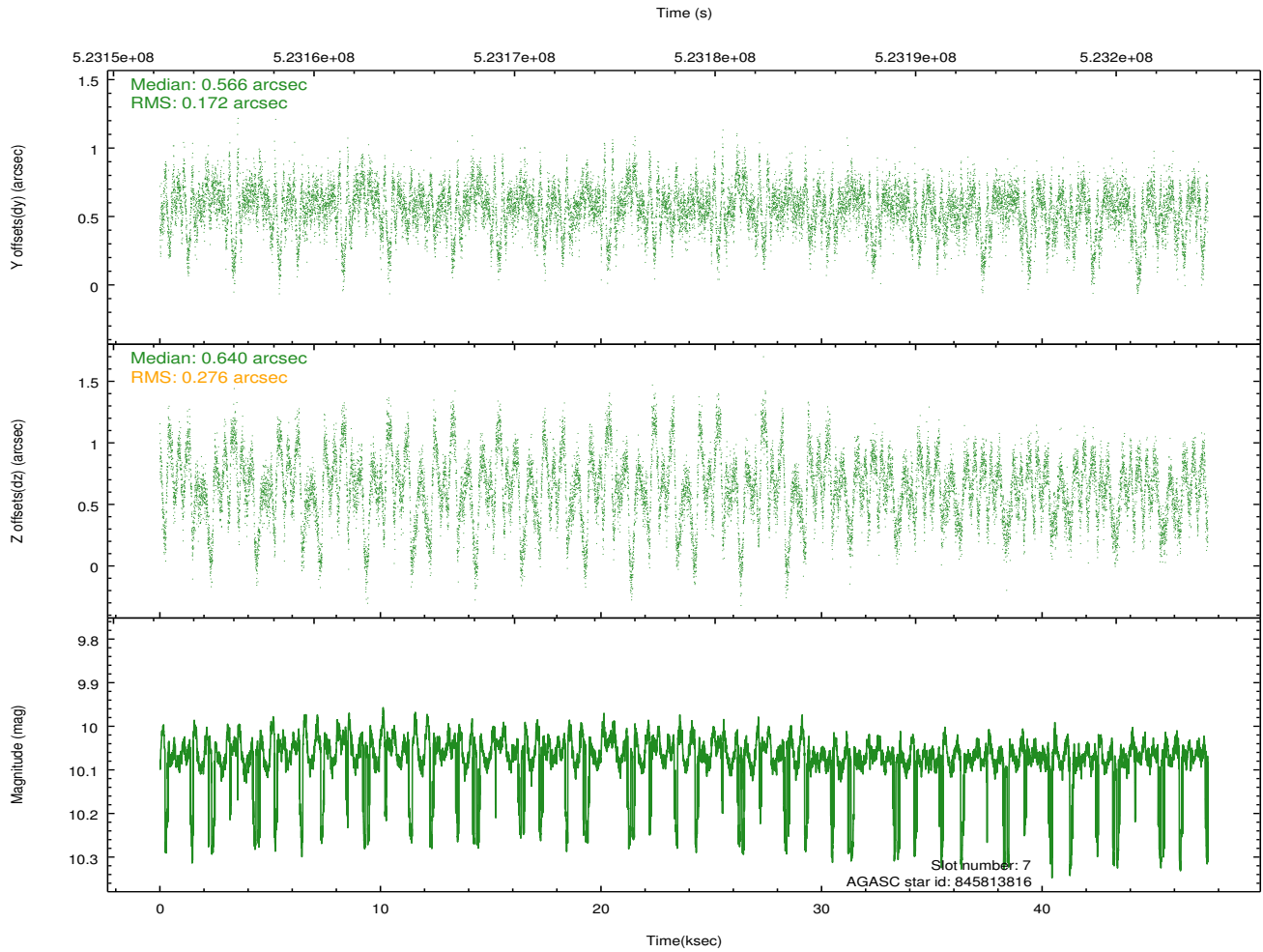
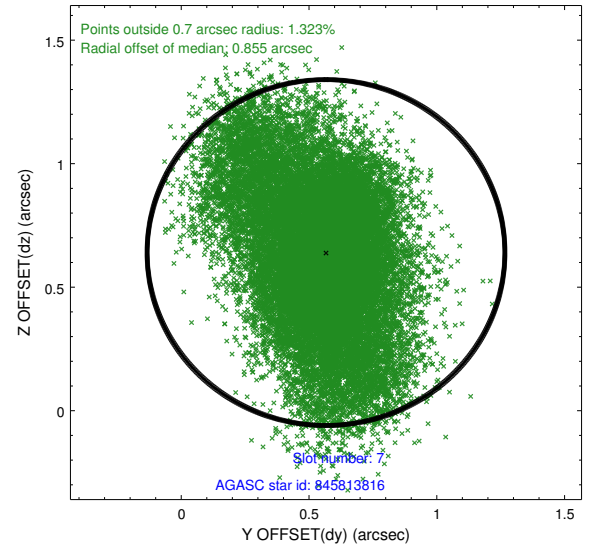
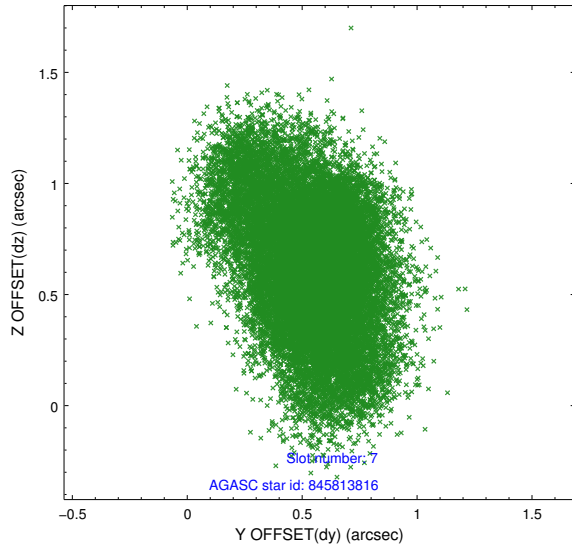
2.4.3 Slot 5



2.4.4 Slot 6

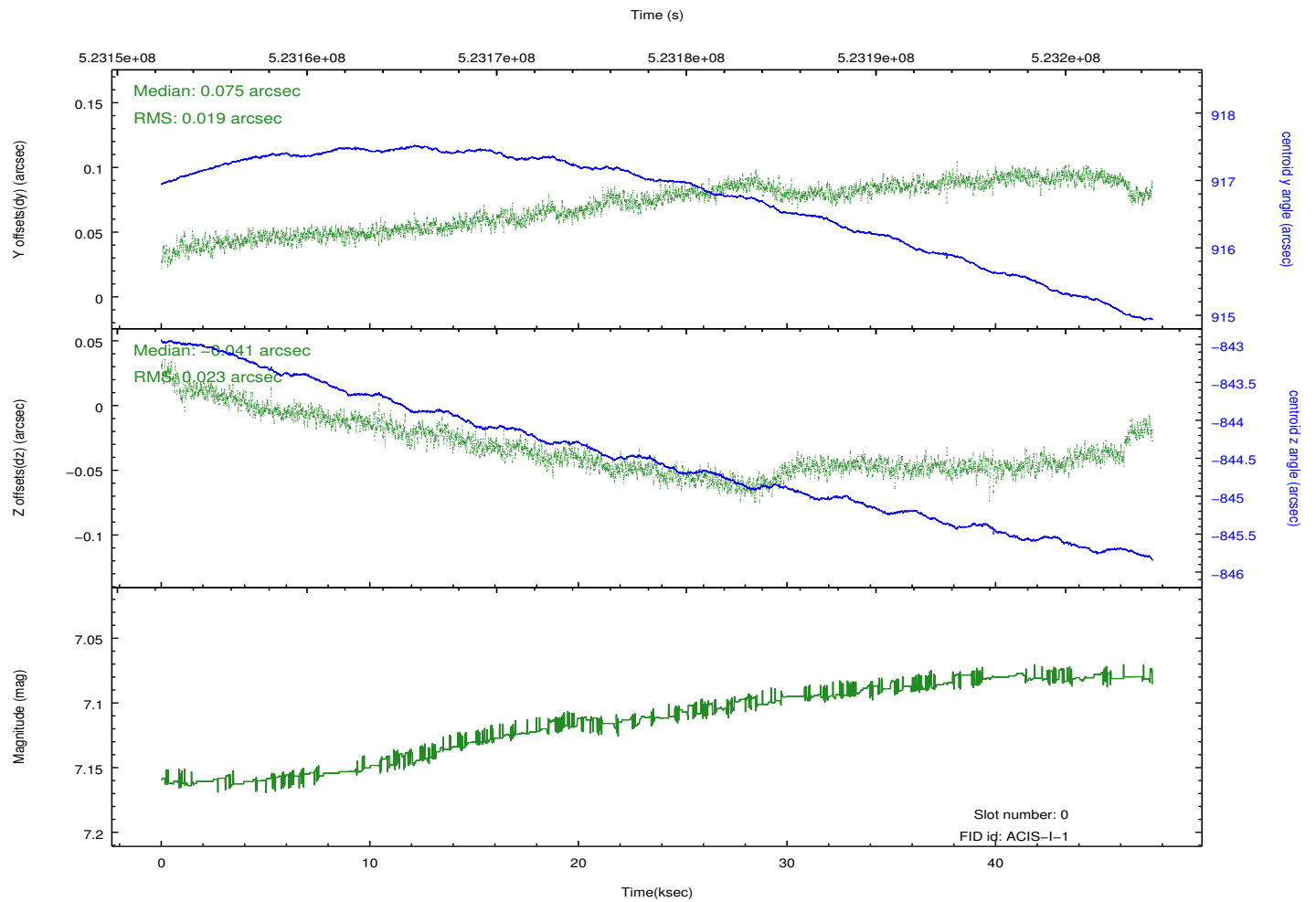
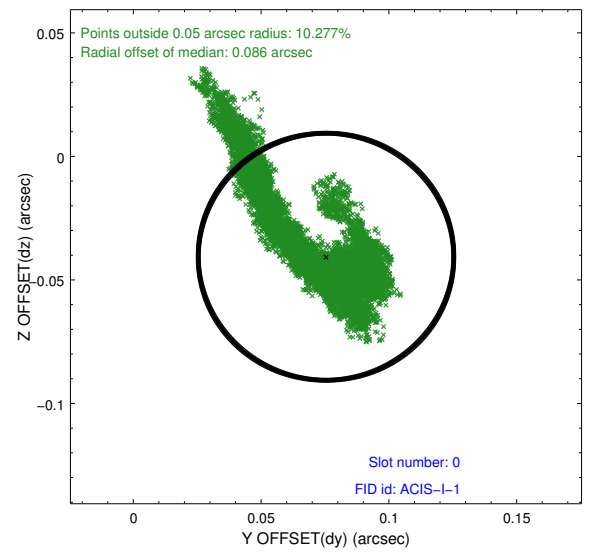
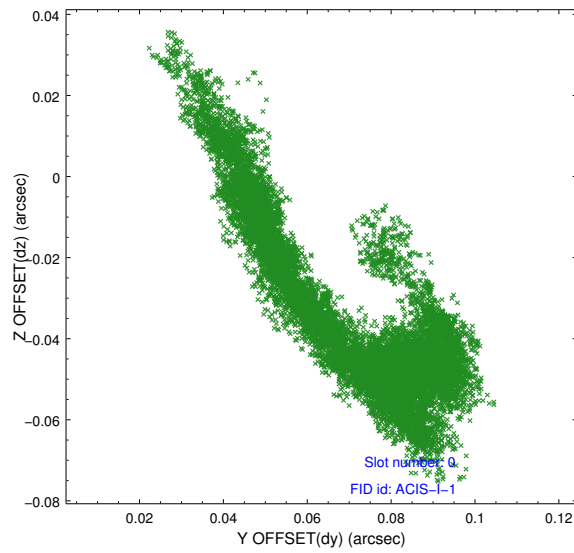


2.4.5 Slot 7

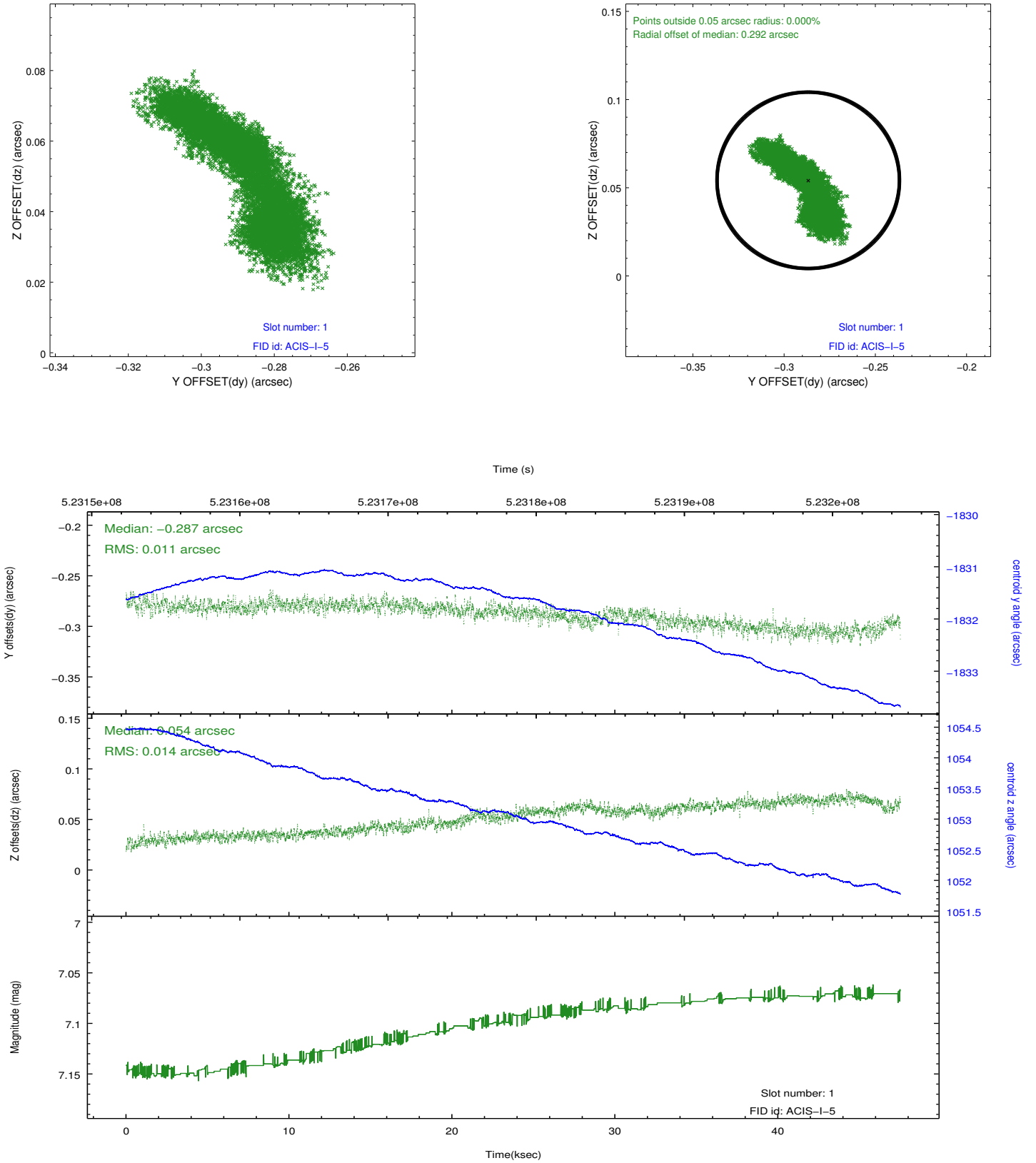


2.5 FID Slots

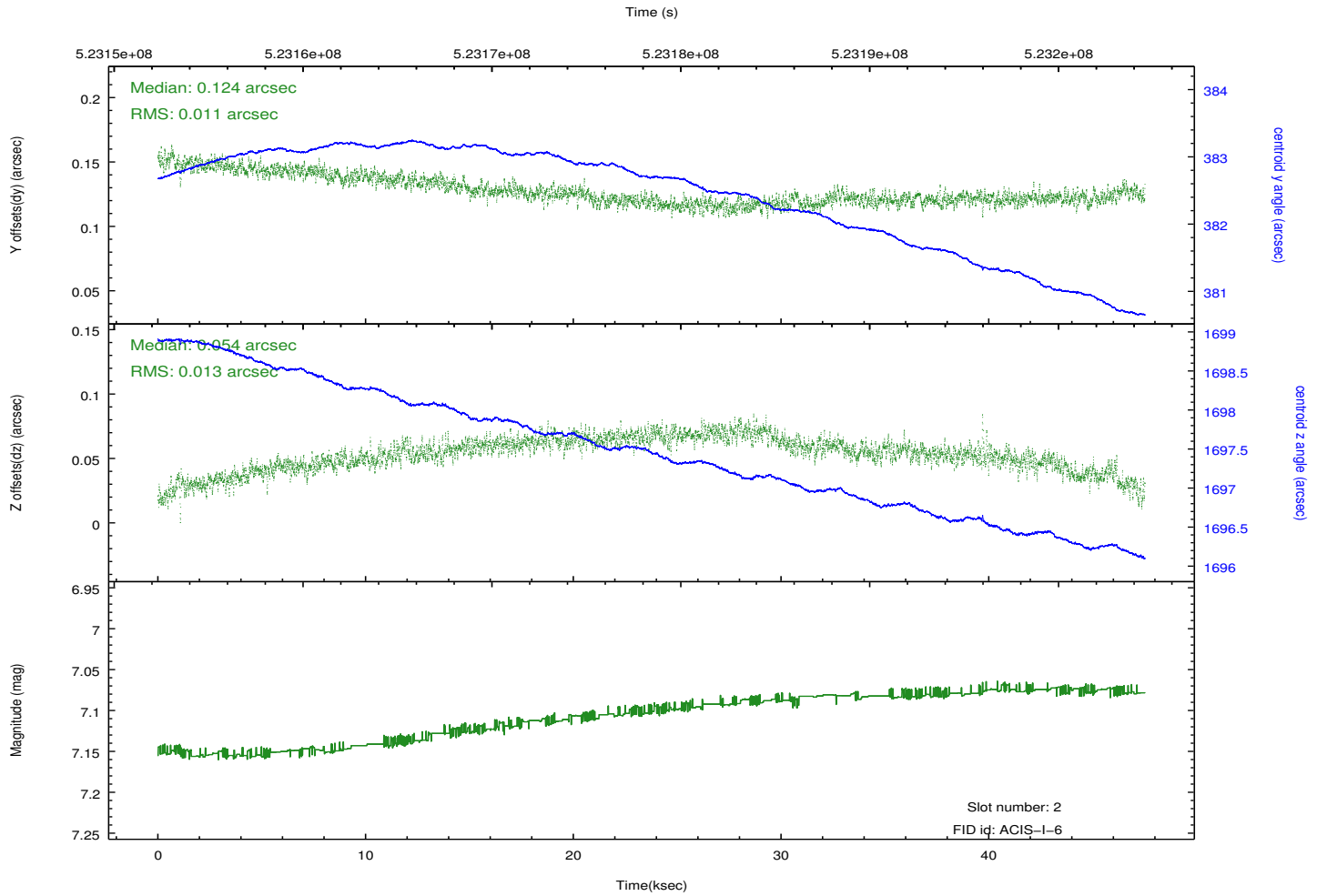
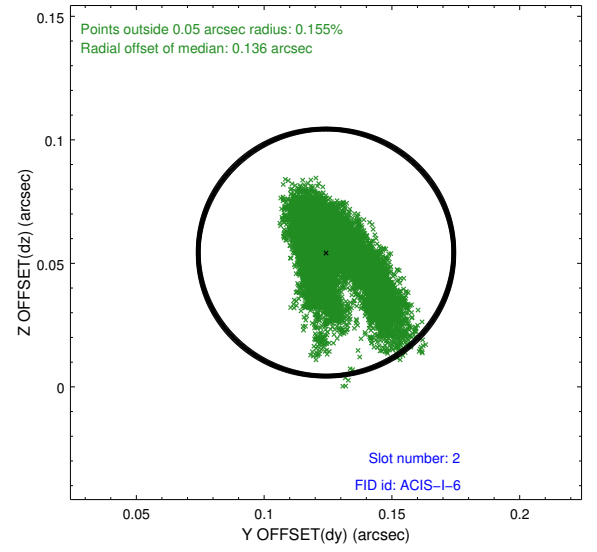
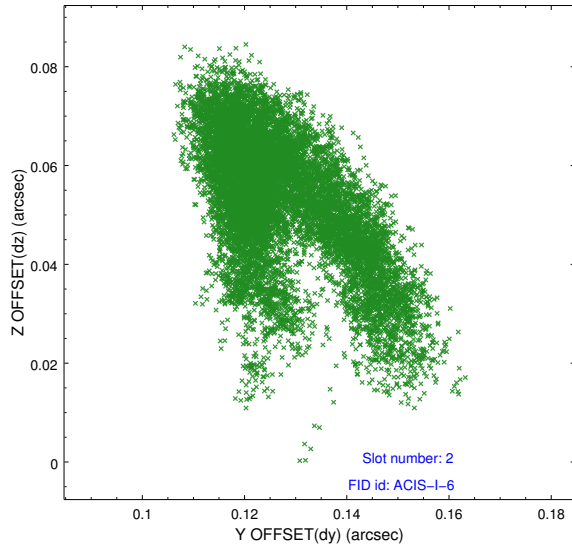
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2014.07.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	47.150959392309

A.2 Comments